parameters in the hardening process. The magnitude of the impact action on the surface being treated is measured by the magnitude of the impact impulse. The impact impulse is directly proportional to the angular velocity and proportional to the square root of the magnitude of the tightness of fit.

M.Ch.

SOV/124-57-8-9727

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 8, p 155 (USSR)

AUTHORS: Spiridonov, A. A., Vislobokov, V. P.

TITLE: The Residual Stresses After Hardening by Various Methods (Ostatochnyye napryazheniya posle razlichnykh metodov uprochneniya)

PERIODICAL: Sb. statey. Ural'skiy politekhn. in-t, 1956, Nr 63, pp 15-20

ABSTRACT: The authors have determined the residual stresses in the surface layers of samples of grade-45 steel after hardening by the electric-spark method, centrifugal steel-ball forging, and hardening by both methods combined. The residual stresses were determined by the method of N. N. Davidenkov by means of successive etching and measuring of the deformations. The samples had the shape of rings with an outer diameter of 82.5 mm, an inner diameter of 72.5 mm, and a width of 15 mm. The electric-spark treatment was accomplished by the following method: $C = 100$ μf, $U = 95$ v, $I_k = 10$ a, $v_{advance} = 5$ m/min, and $s = 0.08$ mm/revolution. The centrifugal ball-forging treatment was accomplished by the following method: $v_{advance} = 34.6$ m/min, $v_{disk} = 1432$ m/min, interference (negative allowance) $i = 0.2$ mm, feed $s = 0.04$ mm/revolution. After electric-spark

Card 1/2

SOV/124-57-8-9727

The Residual Stresses After Hardening by Various Methods

hardening large tensile stresses occur in the surface layers attaining up to 380 kg/mm^2 in a layer up to 25 μ thick. Compression stresses occur after centrifugal ball-forging. In the experiments described in the paper under review the compression stresses penetrated to a considerable depth and amounted to 70-80 kg/mm^2 at a depth of up to 1 mm (no deeper etching was done). A substantial reduction of the compression stresses was noted in a zone of from 50 to 100 μ. Successive hardening by the electric-spark method and the steel-ball centrifugal-forging method led to the appearance of considerable compression stresses (of an order of magnitude of 70-75 kg/mm^2) in the surface layers, while a certain decrease in the magnitude of the compression stresses in a narrow zone 40 to 70 μ from the surface was observed.

L. M. Shkol'nik

Card 2/2

SPIRIDONOV, A. A., Cand. Tech. Sci.

"Effective Methods for Surface Hardening of Machine Parts" p.495-507 in book Increasing the Quality and Efficiency of Machinery, Moscow, Mashgiz, 1957, 626pp.

MOSTALYGIN, G.P.; ROZENTSVEYG, V.D., inzh., retsenzent; SPIRIDONOV, A.A., kand.tekhn.nauk, red.; SERKINA, N.F., tekhn.red.

[Finish and precision of high-speed milling of grooves] Chistota i tochnost' obrabotki pri skorostnom frezerovanii pazov. Sverdlovsk, TSentr.biuro tekhn.informatsii, 1959. 16 p. (MIRA 14:4)

1. Russia (1917- R.S.F.S.R.) Sverdlovskiy ekonomicheskiy administrativnyy rayon. Sovet narodnogo khozyaystva. (Metal cutting)

PHASE I BOOK EXPLOITATION SOV/3482

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy [illegible] Sverdlovskoye otdeleniye

Mekhanizatsiya i avtomatizatsiya [illegible] (Mechanization and Automation in the [illegible]) [illegible] 1959. 519 p. 12,000 copies printed.

Ed.: Yu. V. Dal'nov, Doctor of Technical [illegible]; Editorial Board: P. P. [illegible], [illegible] Technical Sciences, Yu. V. [illegible], [illegible] Yermakov, Candidate of Technical [illegible] Technical Sciences, N. N. [illegible], [illegible] Sokolovskiy, Candidate of Technical [illegible], B. M. [illegible], Candidate of Technical [illegible] scr.

PURPOSE: This book is intended for production [illegible] in industrial planning.

COVERAGE: The material presented in this book [illegible] developed and tested in the machine-building [illegible] of Siberia. Listed are various methods of [illegible] and their applications in production, [illegible] Other fields of use include welding, [illegible] quality control on an industrial scale. [illegible] and instruments currently used in mechanization and [illegible] dustrial processes are described and illustrated. [illegible] paid to [illegible]

MECHANIZATION AND AUTOMATION OF WELDING

Mechanization and Automation (Cont.) SOV/3482

Card 8/15

SOLONIN, Ivan Sergeyevich; SPIRIDONOV, A.A., dotsent, kand.tekhn.nauk, red.; DUGINA, N.A., tekhn.red.

[Mathematical statistics in the technology of the manufacture of machinery] Matematicheskaia statistika v tekhnologii mashinostroeniia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 174 p. (MIRA 13:7)
(Machinery industry) (Mathematical statistics)

SPIRIDONOV, Aleksandr Aleksandrovich; SEMKIN, Anatoliy Alekseyevich; PATSKEVICH, I.R., kand. tekhn.nauk, retsenzent; KIRILLOV, A.A., inzh., red.; DUGINA, N.A., tekhn. red.

[New equipment for automatic hard facing by semicircular weaving arc] Novoe oborudovanie dlia avtomaticheskoi vibrodugovoi naplavki. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 72 p. (MIRA 14:7)

(Hard facing--Equipment and supplies)

SPIRIDONOV, A.A., dotsent, kand. tekhn. nauk; SOLONIN, I.S., dotsent, kand. tekhn. nauk

Statistical investigations of the roughness and precision of cold-hardened surfaces. Trudy Ural. politekh. inst. no.112: 5-22 '61. (MIRA 16:7)

(Surface hardening)

[redacted], A.A.; [redacted], V.M.

Surface quality and possibility in using the static method of surface hardening. Trudy Khar. politekh. inst. no.129: (MIRA 17:8)
5-24 '63

L 1601-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

AM5010323 BOOK EXPLOITATION 44 42 B+1 UR/ 621.9-529 (023)

44 55

Spiridonov, A. A.

44 55 14

Machine tools with programmed control (Metallorezhushchiye stanki s programmnym upravleniyem) Moscow, Izd-vo "Mashinostroyeniye" 1964. 0279 p. illus. Errata slip inserted. 13,000 copies printed.

TOPIC TAGS: automatic control system, cutting tool, lathe, milling machine, automatic programming, metal cutting machine tool

PURPOSE AND COVERAGE: In a simple form the book deals with the principles of the programmed control of metal cutting machines. Illustrated by examples and examined are the the most used open-loop and closed-loop programmed control systems, their construction and working principles. Descriptions are given for lathes, turret lathes, milling and unit machines and their programmed control operation. The book is intended for workers of machine building industry. It can be used also by students of the professional technical schools.

Card 1/3

L 1601-66

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TABLE OF CONTENTS:

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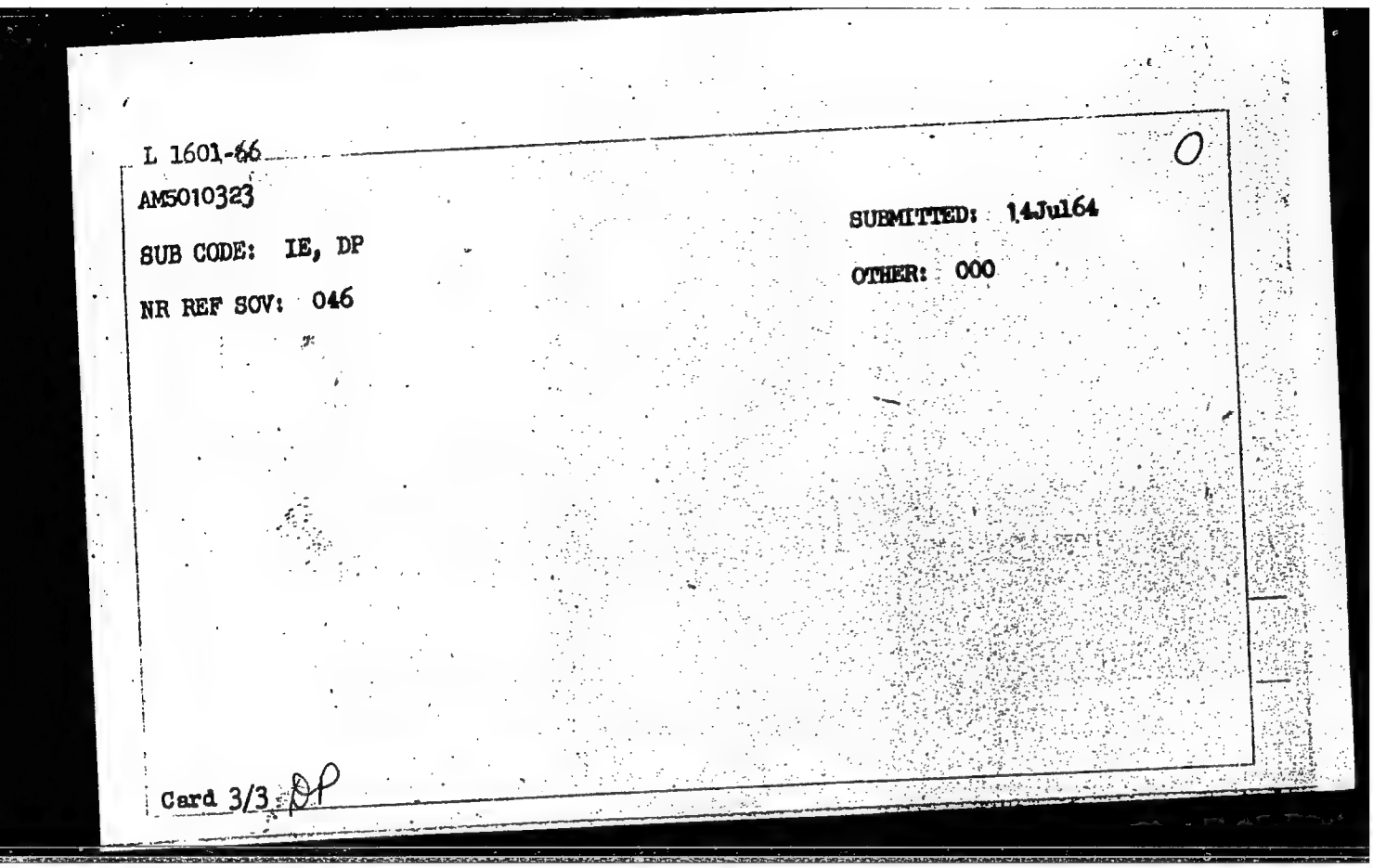

L 1601-66 0

AM5010323

SUB CODE: IE, DP

SUBMITTED: 14Jul64

NR REF SOV: 046

OTHER: 000

Card 3/3 DP

BAKULEV, A.N., akademik; SPIRIDONOV, A.A.

Postpericardiotomy syndrome as a complication following implantation of myocardial electrodes in patients with complete atrioventricular block. Khirurgiia no.10:18-24 '64. (MIRA 18:8)

1. Klinika fakul'tetskoy khirurgii imeni Spasokukotskogo (dir. - akademik A.N.Bakulev) II Moskovskogo meditsinskogo instituta imeni Pirogova.

[illegible], S.A. (deceased), Chair[illegible]

Dangers and complications in different types of electrostimulation of the heart. Grud. khir. 6 no.5:44-51 S-O '64.

(MIRA 18:4)

1. Klinika fakul'tetskoy khirurgii imeni Spasokukotskogo (dir. - akademik A.N.Bakulev) II Moskovskogo meditsinskogo instituta.

SPIRIDONOV, A.D.

Hygienic evaluation of the system of instruction of student turners in an industrial school. Gig. i san. 25 no. 5:43-48 My '60. (MIRA 13:10)

1. Iz kafedry gigiyeny detey i podrostkov I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(SCHOOL—HYGIENE) (TURNING—HYGIENIC ASPECTS)

ACCESSION NR: AT4016990 S/3057/63/000/000/0016/0024

AUTHOR: Gorodinskiy, S.M.; Panfilova, Z.Ye; Spiridonov, A.D.; Shudrenko, N.A.

TITLE: Investigation into the deactivation capability of basic construction and finishing materials

SOURCE: Zashchitny*ye pokry*tiya v atomnoy tekhnike (Shielding in nuclear Engineering); sbornik statey. Moscow, Gosatomizdat, 1963, 16-24

TOPIC TAGS: deactivation, decontamination, nuclear shielding, radioactive contamination, radioactive decontamination, residual radioactivity, radioactivity protection

ABSTRACT: The authors point out the absence of complete generalizing data on studies of different construction and finishing materials from the point of view of their ability to be deactivated after radioactive contamination. The ability of materials to become contaminated and to be deactivated is shown to be a function of their chemical composition, physical structure and surface state. Fillers, additives and pigments may impair the ability of a material to be deactivated. It has been shown that such materials as cement,

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ACCESSION NR: AT4016990

then determining the activity which could not be washed away (the so-called residual activity). The evaluation of the sorption-desorption properties of the materials was made according to an accepted laboratory practice. The results of these tests are presented, codified and interpreted. The work carried out showed that the basic construction materials cannot be employed without shielding for protection against radioactive contamination. Of the materials tested, the following may be recommended for use as shielding materials: silicate glass, organic glass, glazed ceramic slabs for the internal facing of walls, masticated rubbers formulas 57-40 and 80, polystyrene facing slabs and films on a polyvinylchloride, polyethylene and polyethyleneterephthalate base. The wide range of polymer film-forming substances will make it possible to select lac dye shielding systems with the proper characteristics, which may be used under various production and construction conditions. Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 20Feb64 ENCL: 00

SUB CODE: NP, MT NO REF SOV: 005 OTHER: 009

Card 3/3

WRITE BELOW THIS LINE

ACCESSION NR: AT4017001 S/3057/63/000/000/0126/0136

AUTHOR: Gorodinskiy, S. M.; Panfilova, Z. Ye.; Spiridonov, A. D.; Nosova, L. M.; Shudrenko, N. A.

TITLE: Investigation of lacquers for shields against radioactive contamination.

SOURCE: Zashchitny*ye pokry*tiya v atomnoy tekhnike (Shielding in nuclear engineering); sbornik statey. Moscow, Gosatomizdat, 1963, 126-136

TOPIC TAGS: atomic reactor, radioactive contamination, nuclear shielding, shielding, lacquer shielding, lacquer

ABSTRACT: Lacquered materials are widely used for finishing processes in factories and technical equipment. The advantage of lacquered materials for the shielding of construction materials and technological equipment from radioactive contamination is the continuous, jointless coating of the surface during any of its configurations. The present investigation showed that the desorptive properties of lacquer coatings depend primarily on their chemical composition. Lacquers with oils and alkali-oil should not be used for surfaces contaminated by radioactive waste. It is advisable to use 1-20-61 enamels on an SVKh-40 base and commercial enamels on an SVKh-40 base with lacquer coatings. The most efficient protection of concrete against

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ACCESSION NR: AT4017001

contamination is a shielding on a base of the high-molecular epoxy resins E-40, E-41, E-49 and ET-8 (see Fig. 1 of the Enclosure). It is possible to make shielding compounds consisting of lacquer coatings which ensure easy and complete decontamination (washing away of radioactive waste). Orig. art. has: 3 figures and 4 tables.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 20Feb64 ENCL: 01

SUB CODE: NP NO REF SOV: 004 OTHER: 003

Card 2/3

ENCLOSURE: 01

ACCESSION NR:AT4017001

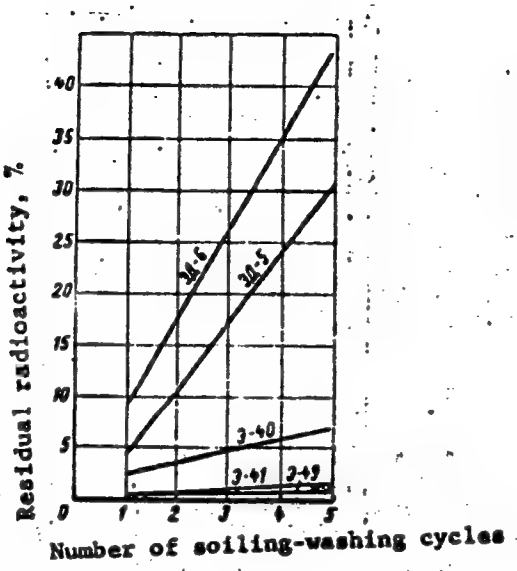

Fig. 1. Sorption-desorption features of coatings made of epoxy resins of different grades

Card 3/3

SPIRIDONOV, A. I.

PT-1367 /Trans-Carpathian District: Scientific-Popular Geographic Description/ Abridged from pp. 3-42 of : Zakarpatskaia Oblast' Nauchno-Populiarnoe Geograficheskoe Opisanie. Moscow, 1947.

SPIRIDONOV, A.I.

ANUCHIN, V.A. and SPIRIDONOV, A.I. Zakarpatskaia Oblast' (nauchno-populiarnoe geograficheskoe opisanie). Moskva, Geografgiz, 1947. 173 p.
"Literatura": p. 170-[174].

DLC: DB346.A65

So: LC, Soviet Geography, Part II, 1951/Unclassified

[illegible], . .

25576

O Nekotorych Osobyennostyakh Ubyvaniya Chetver Tichnogo Oledeneniya Na Russkoy Ravnine. Voprosy Geografii, SB. 12, 1949, s. 167 - 82. - "Ibliogr: s. 182

SO: LETOPIS No. 34

SPIRIDONOV, A.I.

Geomorfologicheskoe kartografi-
rovanie (Geomorphic cartography). Moskva, Geo-
grafgiz, 1952. 188 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 1, April 1953

USSR/Geography - Geomorphological Charts Mar 53

SPIRIDONOV, A. I.

"Types of Geomorphological Charts," A. I. Spiridonov, Chair of Geomorphology, Moscow U

Vest Moskov U, Ser Fiz-Mat i Yest Nauk, No 2, pp 181-190

Discusses the classification of seven types of Geomorphological charts: 1) geographical distribution of morphological complexes, 2) minute characteristics of morphological complexes, 3) detailed morphological charts, 4) forms of relief, 5) distribution of individual forms of relief, 6) historical relief, and 7) auxiliary charts.

SPIRIDONOV A. I.

SPIRIDONOV, A.I.

Basic relief features in the central Chernozem area. Vop.geog. no.32:134-156 '53. (MIRA 10:11)
(Central Black Earth Region--Physical geography)

SPIRIDONOV, A.I. [author]; VOSKRESENSKIY, S.S.; ZVORYKIN, K.V.; LEONT'YEV, O.K. [reviewers].

"Geomorphological mapping." A.I.Spiridonov. Reviewed by S.S.Voskresenskii, K.V.Zvorykin, O.K.Leont'ev. Izv.Vses.geog.ob-va 85 no.4:483-485 Jl-Ag '53. (MLRA 6:8)

(Geology--Maps) (Spiridonov, A.I.)

SPIRIDONOV, A.I.

Subject and principal methods of geomorphology. Vop.geog. 36:56-70 '54. (MIRA 8:4)
(Physical geography)

Spiridonov, A. I.

USSR/Geology - River valleys

Card 1/1 : Pub. 86 - 16/38

Authors : Spiridonov, A. I., Cand. Geograph. Sci.

Title : Development of the river valleys in the center of the Russian plain

Periodical : Priroda 43/12, 94-97, Dec 1954

Abstract : An analysis is made of the system of river valleys in Central Russia with a view to verifying or refuting the theory that some of the rivers originally flowed in the opposite direction and had different outlets. These studies are considered to be of importance for the work of engineers in plotting waterways and constructing hydraulic works. Three Russian references (1939-1951). Maps; illustrations.

Institution : ..... Moscow State U.

Submitted : .....

USSR/Geology - Geomorphology

FD-2179

Card 1/1 Pub. 129-19/20

Author : Spiridonov, A. I.

Title : Some problems in the construction of the course 'procedure for field geomorphological investigations'

Periodical : Vest. Mosk un., Ser. fizikomat. i yest. nauk, 10, No 2, 161-169, Mar 1955

Abstract : Problems of educational methodology. Geomorphological investigations in the USSR have been extensively developed, in which connection, a course on procedure for field geomorphological investigations was included in 1948 in the scholastic program of the specialty 'geomorphology' of the geographical faculties of Moscow State University. Before that, in 1947, the subject of field geomorphological investigations was handled briefly by Ya. S. Edel'shteyn, who wrote several articles on it. Otherwise special guidance in this subject has been lacking. The author analyzes the methods of geomorphological investigations into its various aspects: laboratory, classroom, field, etc. Twelve references, USSR (e.g. A. I. Spiridonov, Geomorfologicheskoye kartografirovaniye, 1952).

Institution : —

Submitted : —

SPIRIDONOV, A.I.

Development of slopes of the gully-ravine relief in the central Russian Upland. Izv.AN SSSR.Ser.geog. no.2:25-34 Mr-Ap '56. (MLRA 9:8)

1. Geograficheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.

(Physical geography)

SPIRIDONOV, A.I.

Geomorphological mapping in the People's Republic of Poland.
Izv.AN SSSR. Ser.geog. no.5:101-107 S-O '56. (MLRA 9:11)

1. Geograficheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.
(Poland--Physical geography)

14-57-6-11865

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6, p 32 (USSR)

AUTHOR: Spiridonov, A. I.

TITLE: Relief Study in Regions of Ancient Continental Glaciation (K metodike izucheniya rel'yefa oblastey drevnego materikovogo oledeneniya)

PERIODICAL: Uch. zap. Mosk. un-ta, 1956, Nr 182, pp 93-127

ABSTRACT: The geomorphologist's task is to determine what types of relief-forming processes were at work during preglacial, glacial, and postglacial relief development. A study of the first stage, which begins with the continental relief development of a region and ends with the first glaciation, must determine: 1) the time of its occurrence; 2) basic stages in relief development; 3) origin and forms of preglacial relief. The study is accompanied by a general structural-geomorphological and comparative-morphological analysis of the territory, and also by an analysis of correlative deposits of

Card 1/3

SPIRIDONOV, A.I.

Development of the Volga and Oka Valleys and their presumed confluence with the Don River in the Quaternary period. Zemlevedenie 4:31-39 '57. (MLRA 10:9)
(Rivers) (Geology, Stratigraphic)

SPIRIDONOV, A.I.

Principles used in the preparation of geomorphological profiles (logs). Zemlevedenie 4:62-66 '57. (MLRA 10:9)
(Physical geography)

SPIRIDONOV, A.I.

Are there clayey top soils within the latest glaciation area of the Russian Platform? Vest. Mosk. un. Ser. biol., pochv., geol., geog. 12 no.4:211-216 '57. (MIRA 11:5)

1. Kafedra geomorfologii Moskovskogo gosudarstvennogo universiteta.
(Russia, Northwestern--Clay)

SPIRIDONOV, A.I.

p.2

3(5) PHASE I BOOK EXPLOITATION SOV/1796

Moskovskoye obshchestvo ispytateley prirody. Geograficheskaya sektsiya.

Regional'noye karstovedeniye; trudy soveshchaniya po regional'nomu karstovedeniyu (Regional Study of Karst Phenomena; Papers of the Meeting on the Regional Study of Karst Phenomena) Moscow, 1958. 79 p. 600 copies printed.

Additional Sponsoring Agency: Moskovskoye obshchestvo ispytateley prirody. Redaktsionno-izdatel'skiy sovet.

Ed.: (Title page): N.A. Gvozdetskiy, Professor; Ed. (Inside book): G.N. Endel'man

PURPOSE: This book is intended for geologists, hydrologists, specialists in engineering geology, and speleologists.

COVERAGE: This collection of articles is based mainly on reports presented at a Conference on Regional Studies of Karst organized by the Geographical Section of the Moscow Society of Naturalists

Card 1/3

Regional Study (Cont.) SOV/1796

which took place on April 16, 1958. The extensive karst phenomena within the USSR, and their possible influence on climate and hydrology, has merited extensive study by Soviet scientists. The influence of biochemical processes on the formation of karst is noted. Each article is accompanied by photographs, diagrams and bibliographic references.

TABLE OF CONTENTS:

Card 2/3

AUTHORS: Gvozdetskiy, N.A., Spiridonov, A.I. SOV/5-58-4-40/43

TITLE: Several Observations on Caves in Vladimirskaya and Ivanovskaya Oblasts. (Nekotoryye nablyudeniya nad karstom Vladimirskoy i Ivanovskoy oblastey)

PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiy, 1958, Nr 4, pp 164-165 (USSR)

ABSTRACT: This is a summary of a report given by the author at a conference of the Moscow Society of Naturalists on 16 April 1958. In 1957, the authors visited the Kovrovskoye plateau and the left bank of the Klyaz'ma in the basin of the Snezhigda River in Vladimirskaya and Ivanovskaya Oblasts. As a result of his studies, he obtained new data on the distribution of caves. The following scientists are mentioned as having also worked in this field: A.I. Spiridonov, Ye.D. Smirnova, A.S. Korina and A.I. Borisov.

1. Geology 2. Geophysics

Card 1/1

GROSVAL'D, M.G.; SPIRIDONOV, A.I.

Program and organization of practical studies of students in reading aerial photographs of geomorphological areas. Nauch.dokl.vys. shkoly; geol.-nauki no.4:198-204 '58. (MIRA 12:6)

1. Moskovskiy universitet, geograficheskiy fakul'tet, kafedra geomorfologii.

(Photographic interpretation--Study and teaching)

SPIRIDONOV, A.I.

Compiling geomorphological maps on different scales (1:50,000, 1:200,000 and 1:1,000,000) with a generalized legend. Vest.Mosk.un.Ser. biol., pochv., geol., geog. 13 no.3:185-204 '58. (MIRA 12:1)

1. Kafedra geomorfologii Moskovskogo gos. universiteta.
(Geology--Maps)

SPIRIDONOV, A.I.

Concerning the term "type of relief." Vop. geog. no.46:131-141 '59. (MIRA 12:12)
(Physical geography--Terminology)

SPIRIDONOV, A.I.; SHCHUKIN, I.S., red.

[Principles of the general methodology for geomorphological field studies] Osnovy obshchei metodiki polevykh geomorfologicheskikh issledovanii. Pod red. I.S.Shchukina. Moskva, Mosk. gos. univ., 1959-60. 2 v. in 1. diagr. (MIRA 16:4)

(Geomorphology)

SPIRIDONOV, A.I.

Geomorphological cartography abroad. Vest.Mosk.un.Ser.5: Geog. 15 no.1:57-62 '60. (MIRA 13:8)

1. Kafedra geomorfologii Moskovskogo universiteta.
(Topographic maps)

SPIRIDONOV, A.I.

Origin of loess. Vest. Mosk. un. Ser. 5: Geog. 15 no.5:20-27 S-O '60. (MIRA 13:11)

1. Kafedra geomorfologii Moskovskogo universiteta.
(Loess)

SPIRIDONOV, A.I.

Importance of the problem of the origin of loam covers. Zemlevedenie 5:61-69 '60. (MIRA 15:8)
(Loam soils)

SPIRIDONOV, A.I.

Geomorphological taxonomy and some principal geomorphological ideas. Izv. AN SSSR. Ser. geog. no. 4:127-136 Jl-Ag '61. (MIRA 14:7)

(Geomorphology--Classification)

SPIRIDONOV, A.I.

Erosion surfaces in the U.S.S.R. Biul. MOIP. Otd. geol. 36 no.2:63-80 Mr-Ap '61. (MIRA 14:7)
(Erosion)

GVOZDETSKIY, N.A., prof.; ZHUCHKOVA, V.K., dots.; ALISOV, B.P., prof.; VASIL'YEVA, I.V., dots.; VARLAMOVA, M.N., tekhnik-kartograf; DOLGOVA, L.S., dots.; ZVORYKIN, K.V., st. nauchnyy sotr.; ZEMTSOVA, A.I., assistent; IVANOVA, T.N.; LEBEDEV, N.P., st. prepodavatel'; LYUBUSHKINA, S.G.; NESMEYANOVA, G.Ya., mlad. nauchnyy sotr.; PASHKANG, K.V., st. prepod.; POLTARAUS, B.V., dots.; RYCHAGOV, G.I., st. prepod.; SPIRIDONOV, A.I., dots.; SMIRNOVA, Ye.D., mlad. nauchnyy sotr.; SOLNTSEV, N.A., dots.; FEDOROVA, I.S., mlad. nauchnyy sotr.; TSESEL'CHUK, Yu.N., mlad. nauchnyy sotr.; SHOST'INA, A.A., mlad. nauchnyy sotr.; Prinimali uchastiye: BELOUSOVA, N.I.; GOLOVINA, N.N.; KALASHNIKOVA, V.I.; KOZLOVA, L.V.; KARTASHOVA, T.N.; PAN'KOVA, L.I.; URKIKHO, V.; PETROVA, K.A., red.; LOPATINA, L.I., red.; YERMAKOV, M.S., tekhn. red.

[Physicogeographical regionalization of the non-Chernozem center] Fiziko-geograficheskoe raionirovanie nechernozemnogo tsentra. Pod red. N.A.Gvozdetskogo i V.K.Zhuchkovoi. Moskva, Izd-vo Mosk. univ., 1963. 450 p. (MIRA 16:5)
(Physical geography)

IZRAILEV, V.M.; SPIRIDONOV, A.I.; TSESEL'CHUK, Yu.N.

Classification of gully, ravine and valley forms of the central regions of the European U.S.S.R. Vest. Mosk. un. Ser. 5: Geog. 18 no.1:16-22 Ja-F '63. (MIRA 16:5)

1. Kafedra geomorfologii Moskovskogo universiteta.
(Russia, Northern--Landforms)
(Russia, Northern--Erosion)

SPIRIDONOV, A.I.

Formation conditions of ribbon sediments on the hills and uplands of the Valday glaciation area. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5 59 S-O '63. (MIRA 16:11)

1. Kafedra geomorfologii Moskovskogo universiteta.

SPIRIDONOV, A.I.

Glacial-lacustrine sediments on high hills in the region of ancient continental glaciation as indices of the decreasing dead ice. Biul. MOIP.Otd.geol.38 no.2:166 Mr-Ap '63.

(MIR: 16:5)

(Velikye Luki Region--Glacial epoch)

VIKTOROV, S.V.; GOVORUKHIN, V.S.; SPIRIDONOV, A.I.

Talented Soviet geographer and karst investigator; on the 50th birthday of N.A.Gvozdetskii, 1913- . Trudy MOIP 12:191-193 '64.
(MIRA 18:1)

SPIRIDONOV, A.I.

A.A.Borzov's contribution to the development of Soviet geomorphology. Vest. Mosk. un. Ser. 5: Geog. 19 no.2:17-24 Mr-Ap '64. (MIRA 17:4)

1. Kafedra geomorfologii Moskovskogo universiteta.

L 57487-65 EWT(1) GW
ACCESSION NR: AP5015757 UR/0006/65/000/006/0014/0025
528.521

AUTHOR: Durneva, P.I.; Spiridonov, A.I. 11 B

TITLE: Results of tests of the optical theodolite OT-02M

SOURCE: Geodeziya i kartografiya, no. 6, 1965, 14-25

TOPIC TAGS: optical theodolite, theodolite construction, theodolite accuracy, surveying instrument

ABSTRACT: During the 1963-1964 period, TsNIIGAiK and its Eksperimental'nyy optiko-mekhanicheskiy zavod (Experimental Optical-Mechanical Plant) carried out improvements in the design of the mass-produced OT-02 theodolite. After describing 10 modifications of the old instrument which resulted in the modernized OT-02M model, the authors present data on extensive laboratory and field tests of the instrument. The results show that: 1) the introduction of new 10 and 20' scales of the horizontal and vertical circles and the use of an optical micrometer did not reduce the reading accuracy. At the same time, the field of view was freed from an exceedingly large number of scale marks; 2) the new theodolite has the same angle measuring accuracy as the old instrument; 3) the alterations in the construction of the device made it more convenient and more reliable;

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ACCESSION NR: AP5015757

4) the time needed for the division of the horizontal scale of the modernized unit was decreased from 23 to 15 hours; and 5) the new theodolite complies with the GOST 10529-63 standards (except for a slightly larger coefficient of light scattering). The mass-production of the new instrument began in August of 1964. Orig. art. has: 11 formulas, 5 figures, and 10 tables.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: ES

NO REF SOV: 004 OTHER: 000

dap

Card 2/2

SPIRIDONOV, A.I.

Structural-geomorphological study and mapping of the U.S.S.R.
Vest. Mosk. un. Ser. 5: Geog. 20 no.5:87-88 S-O '65.
(MIRA 18:12)

L 47555-66 EWT(d) GW

ACC NR: AP6032612 SOURCE CODE: UR/0006/66/000/009/0026/0034

AUTHOR: Durneva, P. I.; Spiridonov, A. I.

ORG: none

TITLE: DVG range finder and its test results

SOURCE: Geodeziya i kartografiya, no. 9, 1966, 26-34

TOPIC TAGS: range finder, distance measurement equipment, optical wedge, parallax, least square method, geodetic instrument

ABSTRACT: This article describes the results of testing a modified DVG range finder late in 1965 to determine the parameters of the DV-20 model. This double-image, variable base-length instrument is designed to measure distances to objects with or without the use of stadia rods, to measure horizontal and vertical angles, and to determine magnetic azimuths. A particular feature of the range finder is the use of achromatic optical wedges k-100, 200, 500 which define the coefficients of the angles of parallax. In order to evaluate the accuracy of these components and the value of certain constants, control computations were performed graphically and by the method of least squares. Distance control measurements have shown that the mean quadratic error of the test instruments satisfies State Standard requirements. A comparison with foreign range-finders "Todis" and "Teletop" in Table 1 shows that the modified DVG model (DV-20) is equal to, and in some respects superior to, similar

Card 1/2 UDC: 528.514

ACC NR: AP6032611

Table 1.

	DVG	Todis	Teletop
Telescope magnification	14×	6×	6×
Instrument base length, cm	60	80	30
Range-finder coefficient	100, 200, 500	50, 100, 200, 500	100, 250, 500, 1000, 2000
Effective range in meters			
without use of stadia rods	17—300	5—400	2—600
with use of stadia rods	2—400	2—450	—
Relative error of distance measurement with f=50	—	1:5000	—
100	1:1500	1:2000	1:500
200	1:800	1:1000	—
250	—	—	1:300
500	1:300	1:300	1:200
1000	—	—	1:100
2000	—	—	1:50
Weight of the range finder, kg	3,6	5,4	3,0
Weight of complete set, kg	14,0	17,6	9,7

instruments in its class. Field data show that the various parameters of the instrument are not appreciably influenced by deterioration due to time lapse and temperature variations. Orig. art. has: 6 figures, 5 tables, and 2 formulas. [BA]

SUB CODE: 08/ SUBM DATE: none/ ATD PRESS: 5094

Card 2/2

SPIRIDONOV, A. I.

Agriculture

Animal husbandry buildings. (Moskva), Sel'khozgiz), 1951.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

SPIRIDONOV, A. L.

Agriculture

Water supply on stockbreeding farms. Moskva, Sel'khozgiz, 1951.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

SPIRIDONOV, Aleksandr L'vovich; IVANOV, P.T., redaktor; GOR'KOVA, Z.D., tekhnicheskiy redaktor

[Farm buildings and water supply systems] Sel'skokhoziaistvennye postroiki i vodosnabzhenie. Izd. 2-oe, perer. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 438 p. (MLRA 10:4)
(Farm buildings) (Water supply, Rural)

SPIRIDONOV, A.L.

ROGOZIN, G.M.; TSYNKOV, M.Yu., kand. sel'skokhozyaystvennykh nauk; LOBANOVA, A.A., kand. sel'skokhozyaystvennykh nauk; RUMYANTSEVA, T.V.; TRUDOLYUBOV, B.A., kand. sel'skokhozyaystvennykh nauk; KUDRYAVTSEV, P.N., doktor sel'skokhozyaystvennykh nauk; LITOVCHENKO, G.R., kand. sel'skokhozyaystvennykh nauk; KOLOBOV, G.M.; IOFFE, M.Sh.; KHITRENKOV, G.G., doktor sel'skokhozyaystvennykh nauk; BADIR'YAN, G.G., doktor sel'skokhozyaystvennykh nauk; IVANOVA, A.A.; MAKAROV, A.P.; ALTAYSKIY, I.P.; SPIRIDONOV, A.L., kand. sel'skokhozyaystvennykh nauk; ZHUYKOV, G.G.; BANNIKOV, N.A., red.; IVANOVA, A.N., red.; ZUBRILINA, Z.P., tekhn. red.

[Economics and organization of stockbreeding on collective farms] Ekonomika i organizatsiia zhivotnovodstva v kolkhozakh. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 550 p. (MIRA 11:7)
(Stock and stockbreeding)

PANADIADI, A.D., kand. sel'khoz. nauk; VOLOVSKIY, S.P., kand. sel'khoz. nauk; NAVROTSKIY, S.K., kand. sel'khoz. nauk; PANADIADI, Ye.A., inzh.; SPIRIDONOV, A.L., kand. sel'-khoz. nauk; TIMOFEYEV, A.F., kand. sel'khoz. nauk; LAPIDOVSKIY, K.I., red.

[Agricultural melioration] Sel'skokhoziaistvennaia me-lioratsiia. Moskva, Kolos, 1965. 502 p. (MIRA 18:7)

SPIRIDONOV, A.M.; SHKUDOVA, R.I., red.; DUDAKOV, V.A., tekhn. red.

[Poultry raising is a paying business] Ptitsevodstvo - dokhodnaia otrasl'. Moskva, Sel'khozizdat, 1963. 53 p. (MIRA 16:12)

1. Direktor sovkhoza "Komsomolets" Tambovskoy oblasti (for Spiridonov).

(Poultry)

MIRIDOV, A.N., ed.

Russia (1923- U.S.S.R.) Vsesoiuznyi tsentral'nyi sovet professional'nykh soiuzov. Upravlenie gospitaliami po Gor'kovskoi i Kirovskoi oblastiam. Sbornik nauchnykh... 1943. (Card 2)

SPIRIDONOV, A. N.

28004. SPIRIDONOV, A. N. -- Lecheniye dlitel'no-nezazhivayushchikh ran goleni i obliteriruyushchego endoarteriita vnutriarterial'nymi vvedeniyami novokaina i nesovmestimoy krovi. Yubileynyy sbornik khirurg. Rabot, posvyashch. Prof. Shilovtsevu. Kuybyshev, 1949, S. 112-32.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

SPIRIDONOV, A. I.

35535. Patogenez I Lecheniye Khronicheskoy Empiyemy Plevry Ognestrel'nogo Proiskhdeniya. V SB: Voprosy Grudnoy Khirurgii. T. III. M., 1949, c. 106-09.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

SPIRIDONOV, A. N.

27946. RUDHLYADEVA, M. P. -- Sluchay ostroy mieloydhoy leykemii posle pereloma kostey goleni. Yubileynyy sbornik khirurg. Rabot, posbyashch. Prof. Shilovtsevu. Kuybyshev, 1949, A. 334-39. SPIRIDONOV, A. N. Lechenie dlitel'no-nezazhivayushchikh ran goleni i obliteriruyushchego endoarteriita vnutriarterial'nymi vvedeniyami novokaina i nesovmestimoy krovi. -- SM. 28004.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

ZAKHAROVA, G.N., kandidat meditsinskikh nauk; SPIRIDONOV, A.N., professor, direktor.

Intra-arterial penicillin and novocaine therapy of patients with suppurations of the extremities. Sov.med. 17 no.5:25-27 My '53. (MLRA 6:6)

1. Gospital'naya khirurgicheskaya klinika Saratovskogo meditsinskogo instituta. (Penicillin--Therapeutic use) (Novocaine--Therapeutic use) (Suppuration)

SPIRIDONOV, A.N.

[Surgical treatment of ulcers of the stomach and duodenum] Khirurgicheskoe lechenie iazvennoi bolezni zheludka i dvenadtsatiperstnoi kishki. [Saratov] Saratovskoe knizhnoe izd-vo, 1957. 205 p. (MIRA 11:4)

(STOMACH--ULCERS) (DUODENUM--ULCERS)

SPIRIDONOV, A.N.; SHVARTS, L.S.; LARINA, V.S.; NIKIFOROV, B.I.

Late results of surgery in gastric and duodenal ulcer. Kaz.med. zhur. 40 no.5:25-29 S-O '59. (MIRA 13:7)

1. Iz gospital'nykh klinik Saratovskogo meditsinskogo instituta.
(PEPTIC ULCER)

SPIRIDONOV, Aleksandr Nikolayevich; DORONIN, N.

[Intra-arterial injections for the treatment of surgical diseases and injuries to the head and extremities] Vnutriarterial'nyi metod vvedeniia lekarstvennykh veshchestv pri lechenii khirurgicheskikh zabolevanii i travm golovy i konechnostei. Saratov, Izd-vo Saratovskogo univ., 1960. 143 p. (MIRA 14:10)
(INJECTIONS, INTRA-ARTERIAL)

SPIRIDONOV, A.N., prof.

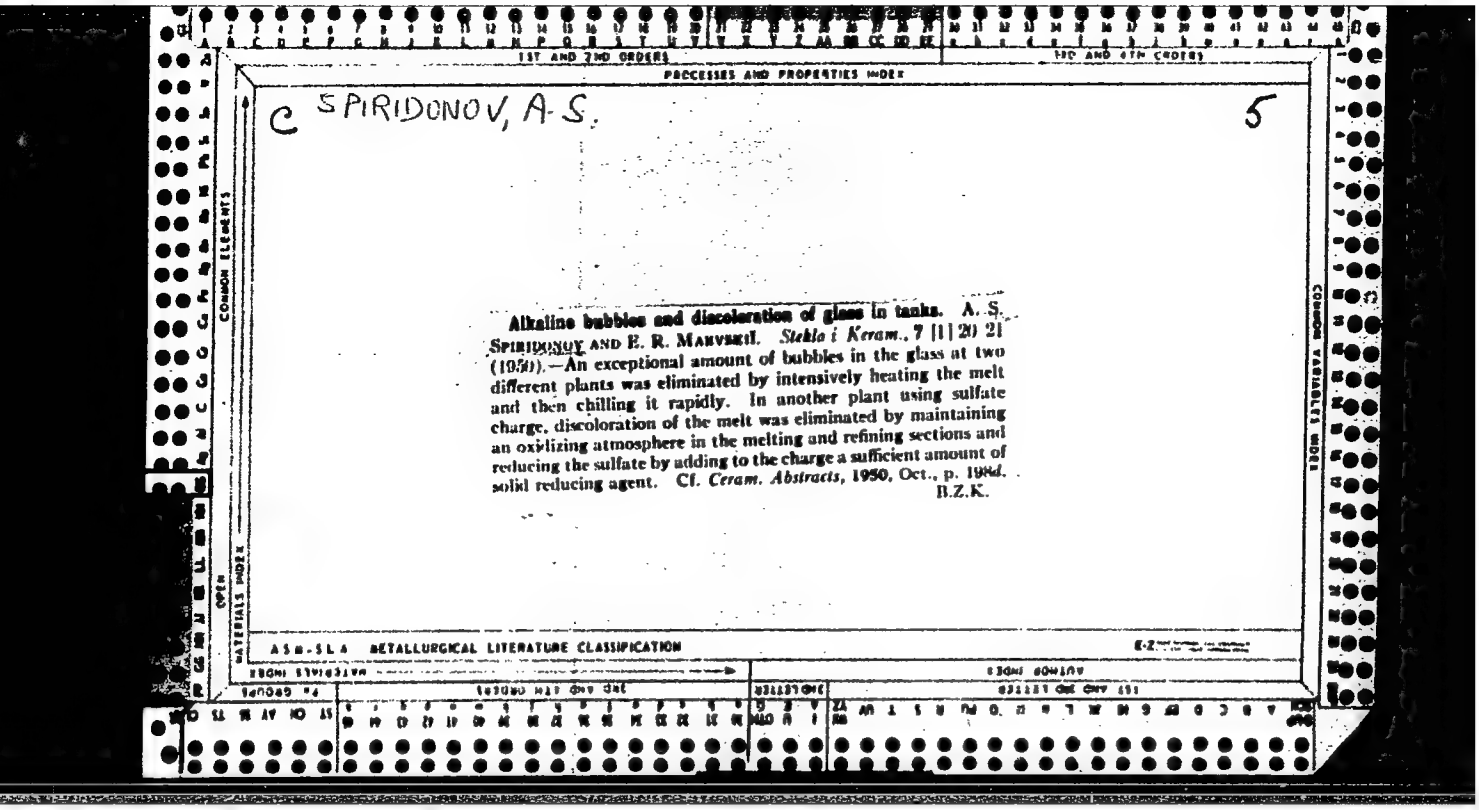
Intra-arterial infusions in trauma and purulent diseases. Khirurgiia 36 no.10:116-121 O '60. (MIRA 13:11)

1. Iz gospital'noy khirurgicheskoy kliniki Saratovskogo meditsinskogo instituta.
(INJECTIONS) (BRAIN--WOUNDS AND INJURIES) (NOVOCAINE) (CARBUNCLE)

SPIRIDONOV, A.P.

Symptoms in Botkin's disease. Klin. med., Moskva 31 no.5:86 May 1953. (CLML 25:1)

1. Dudinka.



C SPIRIDONOV, A.S. 5

Alkaline bubbles and discoloration of glass in tanks. A. S. SPIRIDONOV AND E. R. MANVSKII. *Steklo i Keram.*, 7 [1] 20 21 (1950).—An exceptional amount of bubbles in the glass at two different plants was eliminated by intensively heating the melt and then chilling it rapidly. In another plant using sulfate charge, discoloration of the melt was eliminated by maintaining an oxidizing atmosphere in the melting and refining sections and reducing the sulfate by adding to the charge a sufficient amount of solid reducing agent. Cf. *Ceram. Abstracts*, 1950, Oct., p. 198*d*.
B.Z.K.

SPIRIDONOV, A.S.; VEL'MINA, V.V.

Using sodium fluosilicate to speed up the melting of the glass batch. Stek. i ker. 14 no.9:4-5 S '57. (MIRA 10:10)

1.Stekol'nyy zavod "Velikiy Oktyabr'".
(Sodium fluosilicate) (Glass manufacture)

SPIRIDONOV, A.T. (Moskva)

Testing steel under impact loading. Inzh.zhur. 1 no.4:165-169 '61. (MIRA 15:4)
(Steel--Testing)

KLYKO, I.A. (Moskva); SPIRIDONOV, A.T. (Moskva)

Plastic bending of freely supported beams under the action of pulsed loading. Izv. AN SSSR. Mekh. no.5:126-127 S-O '65. (MIRA 18:10)

SPIRIDONOV, A. V.

SPIRIDONOV, A. V. --"Methods of Perfecting the Technology of Preparing Pipelines during the Construction of Low-Tonnage Ships." Min Shipbuilding Industry USSR. Central Science Research Institute. Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences.)

So; Knizhnaya Letopis' No 3, 1956

LEVCHENKO, S.P.; SPIRIDONOV, A.V.

Study of rolling on the expedition ship "IUlii Shokal'skii".
Trudy MGI 10:25-31 '57. (MIRA 11:3)
(IUlii Shokal'skii (Ship))

LEVCHENKO, S.P.; TSYPLUKHIN, V.F.; KOZYREV, M.A.; SPIRIDONOV, A.V.

Studying the roll and pitch of the expenditionary ship "Mikhail Lomonosov." Trudy MGI 20:88-95 '60. (MIRA 13:10)
(Mikhail Lomonosov (Steamship)) (Stability of ships)

SPIRIDONOV, A.V.

AID Nr. 980-19 31 May

RF-BEAM SONDING OF PLASMOIDS (USSR)

Brodskiy, V. B., B. M. Belitskiy, S. Ye. Zagik, V. A. Lyutomskiy, and A. V. Spiridonov. Zhurnal tekhnicheskoy fiziki, v. 33, no. 4, Apr 1963, 419-425. S/057/63/033/004/009/021

Simultaneous exposure of plasmoids to several focused rf beams placed in the plane normal to the direction of motion of the plasmoids was used to determine electron concentration in moving plasma. The method has a limiting resolving power of the order of a wavelength and is suitable for plasmas with electron concentrations of 10^{13} electrons/cm^3 and over. Plasmoids were generated by a pulse-type coaxial plasma gun; rf beams had wavelengths of 8 mm and, in some cases, 3 cm. The plasma gun was 50 mm in diameter, 200 mm in length; the quartz tube was 100 mm in diameter. The results of measurements showed that at a distance of 100 cm from the gun plasma fills the entire tube; at about 150-200 cm from the gun, a larger plasmoid is preceded by a smaller one, the first

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L 11388-65 EWT(l)/EWG(k)/EFA(sp)-2/EPA(w)-2/EEC(t)/T/EEC(b)-2/EWA(m)-2 Pi-4/
Po-4/Pab-10/Pz-6 IJP(c)/ASD(p)-3/AEDC(b)/ASD(d)/SSD/BSD/AFWL/ESD(t)/ASD(a)-5/
ASD(f)-2/AFETR/RAEM(a)/ESD(gs) AT

ACCESSION NR: AP4044679 S/0120/64/000/004/0116/0119

AUTHOR: Brodskiy, V. B.; Belitskiy, B. M.; Zagik, S. Ye.; Lyutomskiy, V. A.; Spiridonov, A. V. (8)

TITLE: Multibeam device for plasma diagnostics

SOURCE: Pribory* i tekhnika eksperimenta, no. 4, 1964, 116-119

TOPIC TAGS: plasma, plasma diagnostics, plasmoid, plasma acceleration, coaxial accelerator

ABSTRACT: To investigate processes occurring in small volumes of plasma, the devices described in this article utilize mirrors in the form of ellipsoids of revolution. A system of two such mirrors makes it possible to focus radio waves and obtain an illuminated spot whose diameter is equal to the wavelength. By using a primary exciter in the receiving and transmitting antennas consisting of a number of separate exciters, it is possible to obtain several focused beams at the same or at different frequencies. On this basis two types of devices were developed for plasma diagnostics in the cm- and mm-ranges with electron concentrations within $\sim 10^{12} - \sim 10^{14}$ electron/cm^3. In

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L 11388-65

ACCESSION NR: AP4044679

the first type the radiating system consisted of four open-end waveguides which made it possible to form identical radiation patterns in both the vertical and horizontal planes. Three of the waveguides radiated waves in the millimeter band, while the fourth waveguide served as a cm-band radiator. In the second type the excitation system consisted of five open-end waveguides, each of which radiated radio waves in the millimeter band. The first type of device may be used to determine the boundaries of plasma regions with different free electron concentrations, while the second may be used in the determination of dimensions of the reflecting plasma region having the electron concentration which is determined by the wavelength used in the device. Orig. art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 27Jul63 ATD PRESS: 3114 ENCL: 00

SUB CODE: EC,ME NO REF SOV: 002 OTHER: 000

Card 2/2

SPIRIDONOV, B.I.

Method of multi-hole drilling. Izv.vys.ucheb.zav.; geol. i razv. 5 no.5:138-141 My '62. (MIRA 15:6)

1. Tomskiy politekhnicheskiy institut.
(Boring)

MATROSOV, V.M.; SPIRIDONOV, B.I.

Analysis of the operation of a hinge diverting device. Izv. vys. ucheb. zav.; geol. i razv. 7 no.2:132-136 F'64. (MIRA 17:2)

1. Tomskiy politekhnicheskiy institut.

SULAKSHIN, S.S.; MATROSOV, V.M.; SPIRIDONOV, B.I.

Controlled-angle drilling of exploratory boreholes in the Ampalykskii deposit. Razved. i okh. nedr 30 no.2:30-33 F '64. (MIRA 17:8)

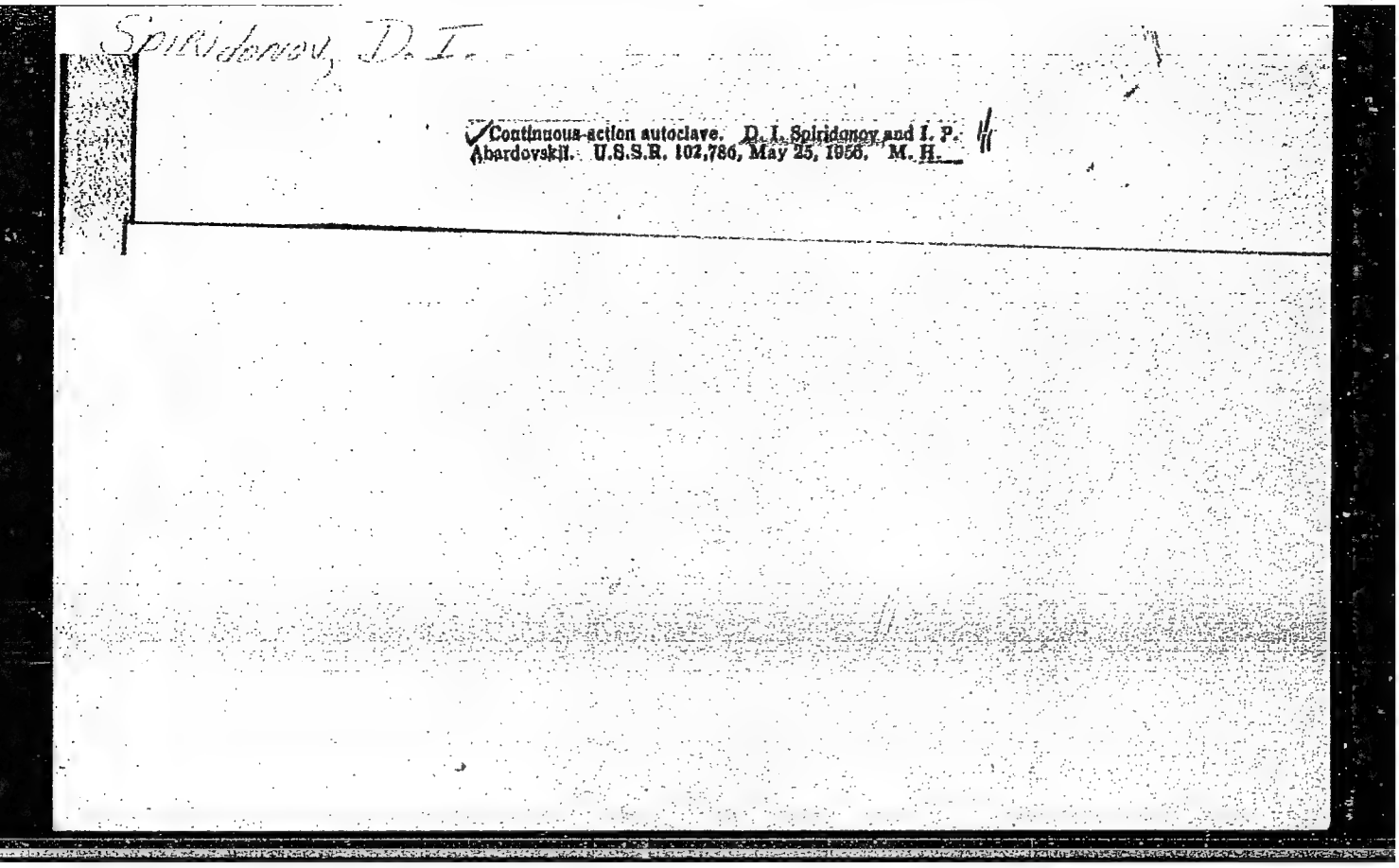
1. Tomskiy politekhnicheskiy institut.

SPIRIDONOV, E.P. Cand Chem Sci -- (diss) "~~The~~ Electrographic study of ~~the~~ molecules ~~of~~ halides of elements of the second group of (D.I. Mendeleyev's periodic) ~~the important~~ system, ~~of D.I. Mendeleyev.~~" Mos, 1958. 11 pp (Mos State Univ im M.V. Lomonosov. Faculty of Chemistry). 110 copies (KL, 37-58, 110).

~~a) MENDELEEV~~

GENIN, Samuil Adol'fovich; KNIZHNIK, Vasiliy Petrovich; SPIRIDONOV, D.I., inzhener, spetsredaktor; PRITYKINA, L.A., redaktor; KISINA, Ye.I., tekhnicheskiy redaktor

[Commercial drying of vegetables and potatoes] Promyshlennaia sushka ovoshchei i kartofelia. Moskva, Pishchepromizdat, 1956. 97 p. (MLRA 10:4)
(Vegetables--Drying)
(Potatoes--Drying)



Spiridonov, D. I.

Continuous-action autoclave. D. I. Spiridonov and I. P. Abardovskii. U.S.S.R. 102,786, May 25, 1956. M. H.

GENIN, S.A.; SPIRIDONOV, D.I.

Steam water and heat treatment of potatoes and root crops. Kons. i ov. prom. 12 no.2:16-19 F '57. (MLRA 10:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti (for Genin). 2. Gostekhnika (for Spiridonov).
(Potatoes) (Root crops)

GENIN, Samuil Adol'fovich, kand.tekhn.nauk; SPIRIDONOV, D.I., inzh. tekhnolog, spetsred.; FUKS, V.K., red.; KISINA, Ye.I., tekhn.red.

[Technology of potato, vegetable, and fruit drying] Tekhnologiia sushki kartofelia, ovoshchei i plodov. Moskva, Pishchepromizdat, 1960. 146 p. (MIRA 13:12)
(Potatoes--Drying) (Vegetables--Drying)
(Fruit--Drying)

KOROLEV, D.D.; VOLKOV, Ye.N.; SPIRIDONOV, D.I., spets. red.;
SIDEL'NIKOVA, L.A., red.; SOKOLOVA, I.A., tekhn. red.

[Manufacture of potato chips] Proizvodstvo zharenogo khrustiashchego kartofelia. Moskva, Pishchepromizdat, 1961. 43 p.
(MIRA 15:7)

(Potato chips)

SPIRIDONOV, E.M.

Apophyllite from a deposit in northern Kazakhstan. Vest. Mosk. un. Ser. 4: Geol. 19 no.4:66-68 Jl-Ag '64.
(MIRA 17:11)

1. Kafedra petrografii Moskovskogo universiteta.

SPIRIDONOV, F. M.

"Organization of medical work in the raions of Tambov oblast."

SO: Vet. 26 (6) 1949, p. 36

SPIRIDONOV, F. N.

"Rabies and the measures of the fight against it"
Tambov. "Tambov Pravda", 1951. 12 pages with illustrations.
(Administration of Agricultural Propaganda. Oblast
Administration of Agriculture, Tambov)

SO: Vet., May 1952, Unclassified.